Claim Amendments

Please add new claims 4-10 so that the claims read as follows:

1. (Original) A method for determining hydrogen peroxide in body fluid comprising steps of:

emitting light by reaction of immobilized horseradish peroxidase, hydrogen peroxide and imidazoles in alkaline pH; and

measuring intensity of the light.

2. (Original) A method for determining hydrogen peroxide in body fluid comprising steps of:

injecting body fluid into a first mobile phase passage;

injecting a solution of imidazoles and an alkaline buffer into a second mobile phase passage; and

mixing the body fluid with the solution of imidazoles and the alkaline buffer in a flow cell where a horseradish peroxidase immobilized stationary is packed to emit light.

3. (Original) A device for determining hydrogen peroxide in body fluid comprising:

a first mobile phase passage for body fluid, having a pump for chromatography and an autosampler;

a second mobile phase passage, having a pump for chromatography for a solution of imidazoles and an alkaline buffer;

a flow passage into which the first and second mobile phase passages join; and

a chemiluminometer to which the flow passage connects, said chemiluminometer having a flow cell where a horseradish peroxidase immobilized stationary phase is packed and a photomultiplier in contiguity with a surface of the flow cell.

4. (New) The method for determining hydrogen peroxide in body fluid according to Claim 2, wherein 5-50 μL of the body fluid is injected.

5. (New) The method for determining hydrogen peroxide in body fluid according to Claim 2, wherein a flow rate of the body fluid flowing in the mobile phase passage and a flow rate of the solution of imidazoles and an alkaline buffer flowing in the other mobile phase passage are respectively not faster than 100μL/min.

6. (New) The method for determining hydrogen peroxide in body fluid according to Claim 4, wherein a flow rate of the body fluid flowing in the mobile phase passage and a flow rate of the solution of imidazoles and an alkaline buffer flowing in the other mobile phase passage are respectively not faster than 100μL/min.

7. (New) The method for determining hydrogen peroxide in body fluid according to Claim 2, wherein a concentration of the solution of imidazoles is approximately 100 mmol/L.

8. (New) The method for determining hydrogen peroxide in body fluid according to Claim 4, wherein a concentration of the solution of imidazoles is approximately 100 mmol/L.

9. (New) The method for determining hydrogen peroxide in body fluid according to Claim 5, wherein a concentration of the solution of imidazoles is approximately 100 mmol/L.

10. (New) The method for determining hydrogen peroxide in body fluid according to Claim 6, wherein a concentration of the solution of imidazoles is approximately 100 mmol/L.